

Attorney Docket No.: KUZ0029US.NP
Inventors: Shirai et al.
Serial No.: 10/575,562
Filing Date: April 12, 2006
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (currently amended): A pressure-sensitive adhesive composition which comprises: ~~three ingredients of~~
(a) polyisoprene,
(b) a styrene/isoprene/styrene copolymer, and
(c) solid polyisobutylene, in a proportion of (10-60)/(10-50)/(20-60) parts by weight relative to the total weight of the three ingredients (a), (b) and (c) and further contains a non-solid isobutylene polymer and a tackifier, characterized in that the amount of the non-solid isobutylene polymer is 1 to 30 parts by weight, excluding 30 parts by weight, per 100 parts by weight of the sum of the three ingredients of polyisoprene, a styrene/isoprene/styrene copolymer, and solid polyisobutylene (a), (b) and (c), wherein the content of the tackifier is in a proportion of 10-80 parts by weight relative to the total weight of (a), (b) and (c).

Claim 2 (original): The pressure-sensitive adhesive composition according to claim 1, wherein the viscosity

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average molecular weight of the solid polyisobutylene is not less than 900,000.

Claim 3 (previously presented): The pressure-sensitive adhesive composition according to claim 1, wherein the viscosity average molecular weight of the non-solid polyisobutylene is not more than 70,000.

Claim 4 (canceled)

Claim 5 (previously presented): The pressure-sensitive adhesive composition according to claim 1, wherein the tackifier is one or more kinds selected from a group consisting of a rosin type resin, a terpene type resin, a petroleum type resin, a phenol type resin, a xylene type resin, an alkylphenol type resin and a coumarone-indene type resin.

Claim 6 (previously presented): The pressure-sensitive adhesive composition according to claim 1, wherein it further contains a drug.

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Claim 7 (currently amended): ~~The pressure-sensitive adhesive composition according to claim 1, wherein~~ An adhesive patch for external use on the skin comprising the pressure-sensitive adhesive composition is of any of claims 1-6, 8 or 9 laminated on a backing and covered with a liner.

Claim 8 (new): The pressure-sensitive adhesive composition according to claim 6, wherein the drug is a skin irritant, an analgesic-antiinflammatory agent, an antifungal agent, a centrally acting drug, a diuretic agent, a hypotensor, a coronary vasodilator, an antitussive-expectorant agent, an anti-histaminic agent, an anxiolytic, a cardiotonic agent, a contraceptive, an adrenal hormone or a local anesthetic.

Claim 9 (new): The pressure-sensitive adhesive composition according to claim 1, wherein a liner of the pressure-sensitive adhesive composition is a film, a sheet or a foil of polyethylene, polypropylene, a polyester selected from polyethylene terephthalate (PET) or polyethylene naphthalate, nylon, aluminium, or paper, or a laminate material thereof.